

Plans for High Operations Tempo 4th USOS Crew Member and other HOT Timeframes



POIWG

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*Approved for Public Release;
Distribution is Unlimited*

Where we're going

- ◆ With the addition of a 4th USOS crew member by means of Commercial Crew vehicles, POIF is working on tools, processes, new cadre complement, and other enhancements to support:
 - ◆ An average of 68.5 crew hours per week
 - ◆ A maximum of 100 crew hours per week
- ◆ Target is to be ready by November 2017
- ◆ Additionally we know that “High Ops Tempo” periods have been around for a while and will continue to occur more frequently!
 - ◆ Already seeing semi-regular 70+ crew hours weeks
 - ◆ Taking advantage of select weeks to demo/refine our enhancements
- ◆ We are committed to communicating with you regarding our updated concepts and these demos.
- ◆ We welcome your participation, ideas and feedback!

GOAL: Provide the right level of support for the PD in all phases of operations with increased flexibility to maximize science.



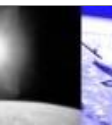
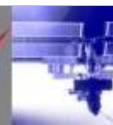
What's Coming Up

- ◆ First demo was in April 2016
- ◆ **Next demo - week of August 8th**
- ◆ **Two more demo weeks this year**
- ◆ **More demos to come in CY17 demos**
- ◆ In each progressive event, we add more components of the total set of enhancements, as they are sufficiently “fleshed out”.
 - ◆ As we progress, more changes will “touch you”, the PD teams.
- ◆ **Concepts phased into realtime so far have had minimal impact on PD interfaces/processes.**
 - ◆ **Expect more process changes being phased into simulations/realtime this fall**
- ◆ We will inform PDs of what to expect before each event and provide a feedback path for you. We want/need your feedback and engagement!

August 8th Demo Objectives and What They Mean to YOU

Objectives

- ◆ **E-1 Timeline Handover from PREP Room to Realtime**
 - ◆ Your prime interface for products and timelines from E-7 to E-1 is the PREP Team. However, you can always contact TCO for planning questions. If they can't help immediately, they will get the right person to contact you.
- ◆ **Shift of Imagery and OCAMs responsibilities from OC to TCO**
 - ◆ TCO will be your contact for imagery questions or any OCA file uplinks and downlinks.
- ◆ **Division of Duty/Teaming**
 - ◆ Most realtime positions will have 2 people sharing duties (PRO, DMC, OC, Stowage and PAYCOM)
 - ◆ Call the position you need, and the right person will help you.
 - ◆ Adding a second OC loop. OC will use either second OC loop or science loop as overflow for OC communication. OC will coordinate with you on day of ops.
- ◆ **Crew Conference Scripts changes**
 - ◆ No formal crew conference script development or Internal Flight Note submittal needed. PAYCOM will continue to coordinate with you to understand your plans for the conference at a high level.

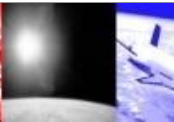


August 8th Demo Objectives and What They Mean to YOU



Objectives (Continued)

- ♦ **Marshall Ground Controller (MGC) in PCA-1**
 - ♦ New position to coordinate/troubleshoot all your ground system needs. MGC will verify voice and commanding (ground configuration) are prepared before ops.
 - ♦ MGC will contact you on Science loops if they see a mis-configuration on ground side.
 - ♦ Contact MGC on RPI Ops for all ground issues except passwords. Password issues will still be handled by HOSC Help Desk.
- ♦ **PD Check-in/Check-out with OC**
 - ♦ OC is your prime interfaces at the start and end of daily operations.
- ♦ **PRO, DMC and TCO Ops Process Change**
 - ♦ To streamline nominal activities, these positions are being given more autonomy in specific aspects of their duties.
 - ♦ For commanders, PRO should tell you what they understand about your commanding for the day (overview level) or will ask you for a general overview. This helps PRO determine level of coordination required for you to begin commanding.
- ♦ **If you are ever in a situation and don't know who to call, call OC. They will help you or vector you to right interface. Overall, expect minimal impact to your interfaces.**



Your POD Contacts for HOT/4th Crew

- ◆ Carrie Olsen – Demo Lead
 - ◆ (256) 544-4595; carrie.olsen@nasa.gov
- ◆ Katie Presson – PCA-1 Team Lead
 - ◆ (256) 544-7583; katie.j.presson@nasa.gov
- ◆ Rodney Gilbert – PREP/Planning Room Team Lead
 - ◆ (256) 544-7403; rodney.j.gilbert@nasa.gov
- ◆ We will be staffing Booth #1 Customer Feedback/HOT Topics:
 - ◆ More information on the specific concepts/changes
 - ◆ To talk about concerns or give feedback
 - ◆ To share ideas for improving ops
 - ◆ To hear what we've learned so far that can help you better prepare for your operations during busy weeks

